

## ABSTRACT

An *in vitro* method for the prediction of *in vivo* UVA protection by a composition with sunscreen properties. The method includes the steps of: determining *in vivo* SPF; determining *in vitro* SPF based on the

5 sunscreen's absorbance spectrum in the UV region; normalizing the absorbance spectrum based on integration area of UVA1; and calculating the PFA-PPD *in vitro*